A. Permit Certificate

MUNICIPAL
WASTEWATER-LAND APPLICATION PERMIT
LA-000193-01

Ironhorse Subdivision, LOCATED ON South Old Farm Place, Meridian, ID 83642 AND IN **Township 2N, Range 1W, Section 3** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON August 17, 2009.

Michael R. McGown
Boise Regional Administrator
Idaho Department of Environmental Quality

Date:

DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 N. Orchard
Boise, ID 83706-2239
(208) 373-0550

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

References

1. Plan of Operation (Operation and Maintenance Manual)
   - Nuisance Odor Management Plan
   - Waste Solids Management Plan
   - Run-off Management Plan
2. Agreement Regarding Approval of Plans and Specifications dated February 5, 2004

The Sections, Appendices, and References listed on this page are all elements of Wastewater-Land Application Permit LA-000193-01 and are enforceable as such. This permit does not relieve Joseph J.and Kathryn N. Guido, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Handbook or Guidelines	Handbook for Land Application of Municipal and Industrial Wastewater, DEQ, April 1996.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section H. *Standard Permit Limits and Conditions.*
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section H. *Standard Permit Limits and Conditions.*
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
Lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the land application treatment site.

C. Abbreviations, Definitions

Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	Joseph J.and Kathryn N.Guido
Type of Wastewater	Municipal
Method of Treatment	Sequencing Batch Reactor (biological treatment), coagulation, sand filtration, chlorine disinfection, and slow Rate land treatment. Non-growing season storage of effluent provided.
Type of Facility	Private
Facility Location	Northwest of the intersection of Columbia and South Ten Mile Roads. The subdivision is located appoximately 2 miles north of the City of Kuna on S. Old Farm Place, Meridian, Idaho
Legal Location	T2N, R1W, Section 3, SE ¼
County	Ada
USGS Quad	Meridian
Soils on Site	Colthorp Silt Loam, and Elijah Silt Loam, Bedrock Substratum
Depth to Ground Water	50 to 70 feet
Beneficial Uses of Ground Water	Domestic, and Agriculture
Nearest Surface Water	Highline Canal runs along the north property line near the site. This canal is part of the New York Irrigation District's canal system.
Beneficial Uses of Surface Water	Agriculture
Responsible Official **Mailing Address** **Phone / Fax**	Joseph J. and Kathryn N. Guido 3350 W. Columbia Road Meridian, ID 83642 (208) 895-8700
Facility Consultants **Mailing Address** **Phone / Fax**	Denny Dyroff, Cromaglass Corporation P.O. Box 3215 Williamsport, PA 17701 (570) 326-3396/(570) 326-6426

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-194-01 **30 days prior to applying wastewater at site**	A Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater land application facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance. Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.
CA-194-02 **30 days prior to applying wastewater at site**	Submit a Nuisance Odor Management Plan to DEQ for review and approval. The Odor Management Plan shall include wastewater treatment systems, land application facilities, and other operations associated with the facility. The plan shall include specific design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for or limit odors. The plan shall also include procedures to respond to an odor incident if one occurs, including notification procedures.
CA-194-03 **30 days prior to disposal of waste solids**	Submit a Waste Solids Management Plan to DEQ for review and approval. The Plan shall describe how waste solids generated at the facility will be handled and disposed of to meet the requirements of section I, No. 5 of this permit and 40 CFR 503.
CA-194-04 **30 days prior to applying wastewater at site**	Seepage test the lined pond according to the DEQ requirements as stated in the DEQ Wastewater Program Guidance, Dated January 22, 2002. The seepage test must be conducted by a professional engineer registered in the State of Idaho. Submit seepage test results to DEQ for review and approval. Seepage testing of the lined pond will be required for each permit renewal period.
CA-194-05 **30 days prior to applying wastewater at site**	Identify WLAP system operator and provide Class III or higher operator certification material to DEQ.
CA-194-06 **Within one year of permit renewal**	Update O & M Manual, Site Maps etc.
CA-194-07 **30 days prior to applying wastewater at site**	Prepare and submit to DEQ, for approval, a runoff management plan with control structures and other BMPs (e.g. collection basins, berms, etc.).
CA-194-08 **Prior to April 15, 2006**	WLAP system operator must receive State of Idaho certification for wastewater land application prior to this compliance date. The examination for the WLAP certification should be available by April 2005.

F. Permit Limits and Conditions

1) The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

<table>
<tr><th>Category</th><th>Permitted Limits and Conditions</th></tr>
<tr><td>Type of Wastewater</td><td>Municipal Wastewater</td></tr>
<tr><td>Application Site Area</td><td>3 Acres</td></tr>
<tr><td>Application Season</td><td>Growing Season Only, March 1 through October 31 (245 Days)</td></tr>
<tr><td>Supervision</td><td>Certified Wastewater Operator, Class III Minimum</td></tr>
<tr><td>Reporting Year for Annual Loading Rates</td><td>November 1 through October 31</td></tr>
<tr><td>Maximum Hydraulic Loading Rate, Growing Season (includes wastewater and supplemental irrigation water, if used)</td><td>The GS Hydraulic Loading Rate shall be no greater than the IWR as defined on page 3 of this permit (i.e., 50.6 inches or 4.12 MG). The following table specifies the monthly maximum IWR for the GS.
<table>
<tr><td></td><td>March</td><td>April</td><td>May</td><td>June</td><td>July</td><td>August</td><td>Sept.</td><td>Oct.</td></tr>
<tr><td>IWR (inches)</td><td>0.38</td><td>4.94</td><td>8.07</td><td>9.89</td><td>11.44</td><td>8.44</td><td>5.62</td><td>1.81</td></tr>
<tr><td>IWR (MG)</td><td>0.03</td><td>0.40</td><td>0.66</td><td>0.81</td><td>0.93</td><td>0.69</td><td>0.46</td><td>0.15</td></tr>
</table>
Wastewater application activities shall be spaced uniformly throughout each month to avoid any problems with ponding or runoff due to hydraulic overloading. Application rates shall generally follow consumptive use rates for the specified crop throughout the growing season. Upon DEQ approval, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the 1994 Technical Interpretive Supplement, pages IV-6 and IV-7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR.</td></tr>
<tr><td>No Runoff</td><td>No runoff of wastewater from the site is allowed.

The Permittee shall prepare and submit to DEQ, for approval, a runoff management plan with control structures and other BMPs (e.g. collection basins, berms, etc.) designed to prevent runoff from any site or fields used for wastewater land application to property not owned by the Permittee except in the event of a 25-year, 24-hour storm event or greater, using Western Regional Climatic Center (WRCC) Precipitation Frequency Map, Figure 28 ‘Isopluvials of 25-YR, 24-HR Precipitation’. For this site, the 25-year, 24-hour event is 2.4 inches. Upon approval of the plan by DEQ the Permittee shall implement the runoff management plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan.</td></tr>
<tr><td>Ground Water Quality</td><td>Ground Water Quality shall be in compliance with Idaho Ground Water Quality Rule IDAPA 58.01.11</td></tr>
<tr><td>Maximum COD Loading, seasonal average in Pounds / acre-day, each HMU</td><td>50 pounds/acre-day seasonal average for growing season.</td></tr>
</table>

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Maximum Nitrogen Loading Rate, pounds / acre-year, each HMU (from all sources including supplemental fertilizers).	100% of typical crop uptake (see definition) from all sources including supplemental fertilizers, or U of I fertility guide.
Maximum Phosphorus Loading Rate, pounds / acre-year, each HMU (from all sources including supplemental fertilizers).	None. DEQ reserves the right to re-open this permit for inclusion of phosphorus limits if soil monitoring indicates elevated phosphorus levels. However, the wastewater treatment facility will have a maximum P output of 3 mg/l as specified in the Agreement between DEQ and the owner.
Chlorine Residual	Prior to land application, the effluent shall be treated with chorine to maintain a free chorine residual of 1 mg/l after treatment and prior to entering the lined pond.
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the Permittee shall submit as-built drawings to DEQ for review.
Grazing	No grazing is proposed in the permit application area.
Allowable crops	Crops grown for direct human consumption are not allowed. Crops grown for direct human consumption are defined as those crops that are not processed prior to human consumption.
Fencing and Posting	Signs shall be posted every 500 feet and at each corner of the outer perimeter of the site buffer zones and around the lined pond at the same intervals. Signs should read 'Irrigated with Reclaimed Water – Do Not Drink' or equivalent for the land application site and 'Danger Reclaimed Wastewater – Keep Out' or equivalent for the lined pond.
Supplemental Irrigation Water Protection	For systems with wastewater and fresh irrigation water interconnections, DEQ approved backflow prevention devices or an air gap are required.

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Odor Management	The wastewater treatment plant, land application facilities, lined pond, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors. These facilities shall be managed in accordance with a DEQ approved Odor Management Plan.
Maximum Domestic Wastewater Flow Rate to SBR Treatment System	5,700 gallons per day
BOD_5, SBR Treatment System Effluent	Monthly average shall not exceed 10 mg/l Weekly average shall not exceed 15 mg/l Monthly average removal efficiency shall be 90% or greater
TSS, SBR Treatment System Effluent	Monthly average shall not exceed 10 mg/l Weekly average shall not exceed 15 mg/l Monthly average removal efficiency shall be 90% or greater
Total Nitrogen, SBR Treatment System Effluent	The nitrogen limit is based on the loading rate limit on page 8 Not to exceed 40 mg/l monthly average
Turbidity Downstream of Sand Filter and Prior to Chlorine Disinfection	5 NTU – Instantaneous maximum into chlorine disinfection unit
Total Coliform, Disinfected Effluent from Wastewater Treatment System	The median number of total coliform organisms shall not exceed 2.2 per 100 milliliters, as determined from the results of the last three (3) days for which analyses have been completed

Buffer Zone Distances (based on sprinkler irrigation)	Disinfection Level[1] (total coliform)	Distance to Public Access	Distances to Inhabited Dwellings	Distance to natural waterways or streams	Distance to irrigation Waterways	Distance to Private Water Sources	Distance to Public Water Sources	Single Sample maximum Total Coliform Level
	2.2 /100 ml	0 feet	100 feet	100 feet	50 feet	500	1000	23/100 ml

1. Compliance determination method for disinfection requirements is as follows:

- For determining compliance with the 2.2 / 100 ml disinfection level, the median value of the last three (3) results must not exceed 2.2 / 100 ml. In addition, no single sample value shall exceed 23 / 100 ml.

G. Monitoring Requirements

1) Appropriate analytical methods, as given in the *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.
2) The permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.
3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
4) Monitoring locations are described in Appendix 1. Environmental Monitoring Serial Numbers.
5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
6) If the soil management unit is less than 15 acres, use 5 sub-samples. If the soil management unit is greater than 15 acres, use 10 sub-samples.
7) Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at 0-12 inches from each sample location shall be composited. Similarly, all soil samples collected at 12-24 inches shall be composited and all soil samples collected at 24-36 inches shall be composited. This method will yield three samples for analysis, one for 0-12 inches, one for 12-24 inches, and one for 24-36 inches for each soil management unit.
8) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily	Discharge Point of Wastewater to WLAP Site (Flow Meter)	Volume of Wastewater land applied	Gallons/Month and acre-inches/month applied to each Hydraulic Management Unit
Daily	Flow Meter or Calibrated Pump Rate	Supplemental Irrigation Water	Gallons/Month and acre-inches/month applied to each Hydraulic Management Unit
Daily	After chlorine treatment, before discharge to storage pond	Grab sample	Chlorine Residual
Monthly	Discharge Point of Wastewater to WLAP Site	Grab sample	Total Kjeldahl nitrogen, nitrate+nitrite-nitrogen, TDS, pH, COD, total phosphorus, total coliform
Annually	Supplemental Irrigation Water at diversions	Grab Sample	Total Kjeldahl nitrogen, nitrate+nitrite-nitrogen, TDS, pH, COD, total phosphorus

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Annually	Hydraulic management unit	Acres used for land application	Acres
Annually	Hydraulic management unit	COD loading calculation (GS)	COD applied in lbs/acre-day
Annually	Hydraulic management unit	Report total nitrogen and phosphorus load from fertilizer or all other non-wastewater application.	Nitrogen and phosphorus applied in lbs/acre-year
Annually	Hydraulic management unit	Calculate and Report total nitrogen and phosphorus loading calculation from wastewater	Nitrogen and phosphorus applied in lbs/acre-year
Annually	Hydraulic management unit	Crop Yield Calculation and Crop Type	Tons/acre
Annually	Soil Monitoring unit	Composite soil sample	Electrical Conductivity, nitrate-N, ammonium-N, pH, Plant available phosphorous – (use Olsen method for soils with pH 6.5 or greater, use Bray method if soil pH is less than 6.5)
Annually	Hydraulic management unit	Crop Nutrient Uptake from Crop Tissue Analysis or from standard tables for crop type and yield	Nitrogen and phosphorus uptake in lbs/acre-year
Annually	Hydraulic management unit	Calculate Irrigation Water Requirement for Crop Grown	Volume (inches / acre and total gallons) for each month for GS.
Annually	All flow measurement locations.	Flow measurement calibration of all flows to WLAP Site.	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly measure all wastewater, tail water, flushing water, and supplemental irrigation water flows applied to each HMU.

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Annually	All supplemental irrigation pumps directly connected to the wastewater distribution system.	Backflow testing	Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the wastewater distribution system(s). Report the testing date(s) and results of the test (pass or fail). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device is operating correctly.
Annually	Each HMU	Calculate GS wastewater loading rate	Million gallons & Inches/GS

1. DEQ will require that the operators monitor TSS and BOD_5 of both SBR influent and effluent along with the turbidity into the chlorine tank. These are not requirements of the land application permit but are requirements of the agreement regarding approval of plans and specifications (Agreement) between DEQ and the owner. This additional monitoring, and all other monitoring/sampling requirements outlined in the Agreement should be included in the facility Operation and Maintenance and reported to DEQ on an monthly basis. This data will be used as an indicator of the treatment plant performance. A summary of this information should be included as part of the Annual Report.

2. Compliance determination method for disinfection requirements is as follows:

   - For determining compliance with the 2.2 / 100 ml disinfection level, the median value of the last three (3) results must not exceed 2.2 / 100 ml. In addition, no single sample value shall exceed 23 / 100 ml.

H. Standard Reporting Requirements

1. The permittee shall submit Annual Wastewater-Land Application Site Performance Reports ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year (see section F for WLAP reporting period). The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The Reports shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Reports.

3. The Reports shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the Reports shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Reports.

5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Reports.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

a. Apply wastewater as evenly as practicable to the treatment area;
b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

a. Enter the permitted facility,
b. Inspect any records that must be kept under the conditions of the permit.
c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certification Page
Emergency 24 Hour Number 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

i. A description of the non-compliance and its cause;
ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23..

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-019301	Three Acre Site	3.0

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-019301	Wastewater after chlorine treatment prior to the lined pond
WW-019302	Wastewater applied to WLAP site

SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-019301	Three Acre Site	MU-019301

LAGOONS

Serial Number	Description
LG-019301	Lined Pond (Wastewater Effluent Pond)

Appendix 2
Maps